

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	131255	av or (atri\$3 near3 ventric\$4) or "a-v"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/30 06:58
L2	1803931	delay or interval	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/30 06:59
L3	197990	qt or (q near3 t)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/30 06:59
L4	353	(1 near L2) and L3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/30 07:06
L5	1522	qtd or (3 with (differential or derivative))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/30 07:06
L6	16	4 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/30 07:06
S1	38	("4303075" "4316472" "4375817" "4379459" "4384585" "4527568" "4566063" "4587970" "4726380" "4727877" "4800883" "4830006" "4880005" "4920965" "4949719" "4953551" "5099838" "5117824" "5131388" "5144949" "5158078" "5163427" "5188105" "5199428" "5207218" "5269298" "5311388" "5312453" "5314430" "5330507" "5331966" "5354316" "5534016" "5545186" "5560368" "5713930" "5800465").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/26 13:29
S2	164	(607/25).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 13:36
S3	27	S2 and (q near3 t)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/26 13:38
S4	57	S2 and qt	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/26 13:46

## EAST Search History

S5	34	S4 not S3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/26 14:02
S6	1663002	delay or interval	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/26 14:02
S7	120371	av or (atri\$3 near3 ventric\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/30 06:58
S8	191983	qt or (q near3 t)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/27 09:23
S9	90	(S7 near S6) same S8	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/30 06:59
S10	7115	"a-v"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/26 14:22
S11	16	(S10 near S6) same S8	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/26 14:22
S12	11	S11 not S9	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/26 14:22
S13	1	("20050043764").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 09:15
S14	5991189	maxim\$2 or minim\$2 or differen\$4 or derivat\$3 or slope	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/27 09:24
S15	191983	qt or (q near3 t)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/27 09:24
S16	1686	S15 near5 S14	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/27 09:25

## EAST Search History

S17	120371	av or (atri\$3 near3 ventric\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/27 09:25
S18	7115	"a-v"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/27 09:25
S19	191	S16 and (S17 or S18)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/27 09:25
S20	1663002	delay or interval	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/27 09:26
S21	44	S16 and ((S17 or S18) near S20)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/27 09:31
S22	1240	(607/9).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 09:31
S23	409	(607/17).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/16 11:34
S24	500	(607/27).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 09:31
S25	10	("5306293"   "5466254"   "5560368"   "5842997"   "5921940"   "6161041").PN. OR ("6456880"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/27 10:27
S26	29	("4303075"   "4467807"   "4527568"   "4539991"   "4554921"   "4674518"   "4686987"   "4856524"   "4920965"   "4951667"   "4972834"   "5086774"   "5144950"   "5247929").PN. OR ("5330511"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/27 10:31
S27	17	(US-20020151938-\$ or US-20040215262-\$).did. or (US-4856524-\$ or US-5247929-\$ or US-5267560-\$ or US-5330511-\$ or US-5713930-\$ or US-5978711-\$ or US-6016443-\$ or US-6049734-\$ or US-6249702-\$ or US-6449510-\$ or US-6456880-\$ or US-6792308-\$ or US-6862474-\$ or US-6963778-\$). did. or (EP-607951-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/01/30 08:59

## EAST Search History

S28	17	S27 and tim\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/30 10:31
S29	14	S27 and cycle	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/30 10:31
S30	15	(US-20020151938-\$ or US-20040215262-\$).did. or (US-4856524-\$ or US-5247929-\$ or US-5267560-\$ or US-5330511-\$ or US-5713930-\$ or US-5978711-\$ or US-6016443-\$ or US-6049734-\$ or US-6249702-\$ or US-6449510-\$ or US-6456880-\$ or US-6792308-\$ or US-6862474-\$ or US-6963778-\$). did. or (EP-607951-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/10/16 10:25
S31	3	S30 and (minim\$4 with (qtd or qt))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 10:25
S32	17	(US-20040215262-\$ or US-20020151938-\$).did. or (US-6016443-\$ or US-4856524-\$ or US-6862474-\$ or US-6792308-\$ or US-6449510-\$ or US-5330511-\$ or US-5713930-\$ or US-6963778-\$ or US-5978711-\$ or US-5267560-\$ or US-5247929-\$ or US-6456880-\$ or US-6049734-\$ or US-6249702-\$). did. or (EP-607951-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/10/16 10:25
S33	3	S32 and (minim\$4 with (qtd or qt))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 10:57
S34	12	S32 and minim\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:17
S37	2213082	minimum or minimal	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:34
S38	280	qtd	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:18

## EAST Search History

S39	7	S37 with S38	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:27
S40	810	qt with (difference or differential or derivative)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:27
S41	1	"20050043764".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:27
S42	1	S40 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:27
S43	1542	(qt with (difference or differential or derivative)) or qtd or dqt	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:27
S44	24	S37 with S43	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:35
S45	17	S44 not S39	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:35
S46	24	(US-20040168931-\$ or US-20040168930-\$ or US-20050192930-\$ or US-20010007948-\$ or US-20050043764-\$).did. or (US-5560368-\$ or US-5701292-\$ or US-4967557-\$ or US-6438409-\$ or US-6456880-\$ or US-6370431-\$ or US-6161041-\$ or US-5921940-\$ or US-5842997-\$ or US-5560370-\$ or US-5437285-\$ or US-5792065-\$). did. or (US-2037530-\$ or US-2542005-\$ or US-3256514-\$ or US-2737555-\$ or US-1676847-\$ or US-3121457-\$).did. or (WO-2004062727-\$).did.	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/10/16 11:31
S47	8	S46 and (optimal or optimize or optimizing or optimized)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 12:40

## EAST Search History

S48	644	607/17,25.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:37
S49	5409414	minimum or minimal or small\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:35
S50	76	S49 with S43	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:35
S51	59	S50 not S45	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:35
S52	52	S50 not S44	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:36
S53	19	S52 and ("607"/\$.ccls. or "600"/\$.ccls. or "128"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 12:41
S54	138	S48 and (qt or dqt or qtd)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:41
S55	73	S48 and (qt or dqt or qtd) and av	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 11:41
S56	21	S48 and ((qt or dqt or qtd) same av)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 12:40
S57	743644	(optimal or optimize or optimizing or optimized)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 12:41
S58	446	S57 with av	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 13:16
S59	298	S58 and ("607"/\$.ccls. or "600"/\$.ccls. or "128"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 13:16

## EAST Search History

S60	7	S59 and S43	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 13:17
S61	577	qt with (variance or variation or variant)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 12:46
S62	8	S59 and S61	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 13:13
S63	552	607/27.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 13:15
S64	148777	av or (a adj v) or (atri\$2 adj ventric\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 13:15
S65	682	S57 with S64	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 13:16
S66	431	S65 and ("607"/\$.ccls. or "600"/\$.ccls. or "128"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 13:16
S67	12	S66 and (S43 or S61)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 13:17
S68	59	S66 and qt	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/16 14:23
S69	40	S68 and @ad<="20030106"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:40
S70	6983159	max or maximum or maximal or min or minimum or minimal or smalle\$2 or lowe\$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:41
S71	744409	(optimal or optimize or optimizing or optimized)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:41

## EAST Search History

S72	148857	av or (a adj v) or (atri\$2 adj ventric\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:41
S73	684	S71 with S72	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:41
S74	433	S73 and ("607"/\$.ccls. or "600"/\$.ccls. or "128"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:41
S75	59	S74 and qt	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:42
S76	40	S75 and @ad<="20030106"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:44
S77	39	S70 and S76	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:41
S78	63228	S70 and qt	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:45
S79	57	S74 and S78	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:51
S80	39	S79 and @ad<="20030106"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:51
S81	32301	S70 same qt	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:45
S82	24	S74 and S81	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:51
S83	14	S82 and @ad<="20030106"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 08:51

# Interference Search

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	56	((delay or av or time or interval) AND (test\$4 or optim\$5) AND (qt or qtd)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/30 07:08
L2	11	((delay or av or time or interval) AND (test\$4 or optim\$5) AND (qt or qtd) AND (minimum or minimal or small\$4)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/30 07:09
S1	55	((delay or av or time or interval) AND (test\$4 or optim\$5) AND (qt or qtd)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/30 07:07

## EAST Search History

S2	55	(US-20040006265-\$ or US-20050130190-\$ or US-20040039264-\$ or US-20040039263-\$ or US-20040039260-\$ or US-20010021801-\$ or US-20010011153-\$ or US-20050009006-\$ or US-20030100998-\$ or US-20030028327-\$ or US-20030228157-\$ or US-20030092975-\$ or US-20050010123-\$ or US-20020062088-\$ or US-20030120535-\$ or US-20060172277-\$ or US-20030086320-\$ or US-20010048630-\$ or US-20050214870-\$ or US-20030149539-\$ or US-20030014083-\$ or US-20040215091-\$ or US-20040133114-\$ or US-20040167418-\$ or US-20040106095-\$ or US-20060235478-\$).did. or (US-20040044374-\$ or US-20050043764-\$).did. or (US-6945934-\$ or US-6893397-\$ or US-6887201-\$ or US-6398728-\$ or US-6280380-\$ or US-6277072-\$ or US-6221011-\$ or US-4972834-\$ or US-5560368-\$ or US-5330511-\$ or US-6829443-\$ or US-6577894-\$ or US-6821249-\$ or US-5164897-\$ or US-6847840-\$ or US-6532187-\$ or US-6615083-\$ or US-5827195-\$ or US-6058328-\$ or US-7117031-\$ or US-5792198-\$ or US-7115381-\$ or US-4527568-\$ or US-5419338-\$ or US-5713930-\$ or US-5978711-\$). did. or (US-6970743-\$).did.	US-PGPUB; USPAT	OR	ON	2006/10/27 11:04
S3	173	"55" and(qt or qtd).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/27 11:05
S4	8306	2and(qt or qtd).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/27 11:05

## EAST Search History

S5	55	S2 and (qt or qtd).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/27 11:05
S6	11	((delay or av or time or interval) AND (test\$4 or optim\$5) AND (qt or qtd) AND (minimum or minimal or small\$4)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/01/30 07:09